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Dr. HOLYOKE's Table of Results.

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VI. A Table of Results, from a Course of Observations made on the Heat of the Atmosphere, by Fahrenheit's Thermometer, in the Years 1786, 1787, 1788, 1789, 1790, 1791, and 1792, at Salem, in Massachusetts, Lat. 42° 34' N. Shewing the Mean Heat of each Month, at four Observations per Day, and the Mean of each Observation:—The hottest and coldest Day in each Month; and the greatest Variation of the Thermometer in 24 Hours:—The Number of Days in each Year, in which the Thermometer rose to 80° and upwards; the Number of Days to 90° and upwards; and the hottest Day:—The Number of Days, in which the Thermometer sunk to 32° and below; the Number of Days to Zero and below; and the coldest Day. To which are added, Results from the whole; which shew the Mean Temperature of each Month, Season, Year, &c. &c. By EDWARD AUGUSTUS HOLYOKE, M. D. F. A. A.

1786.

1787.

Mean of each time of observation, and of each month, at 4 observations per day.	1786.					1787.				
	Mth.	8 A.M.	Noon	6 P.M.	Mean of Month.	Mth.	8 A.M.	Noon	6 P.M.	Mean of Month.
The hottest and coldest day; the greatest variation in any 24 hours; and range of each month.	Jan.	22. 5	30. 2	21. 7	24. 8	Jan.	23. 9	30. 6	26. 6	26. 2
	Feb.	27. 2	34. 7	24. 7	28. 63	Feb.	21. 5	30. 2	25. 6	24. 77
	Mar.	38. 7	45. 7	34. 8	39. 73	Mar.	34. 5	42. 2	36. 6	36. 1
	Apr.	43. 3	48. 5	30. 7	40. 8	Apr.	43. 4	53. 1	46. 4	45. 77
	May	58. 3	62. 6	50. 6	57. 17	May	56. 6	61. 9	54. 4	55. 52
	June	72. 1	79. 7	64. 4	71. 6	June	66. 6	71. 5	63. 6	65. 3
	July	71. 2	78. 5	64. 2	71. 3	July	69. 8	76. 5	67. 1	69. 25
	Aug.	68. 6	75. 7	63. 1	68. 9	Aug.	70. 7	77. 8	69. 5	70. 7
	Sep.	60. 6	69. 1	57. 8	62. 5	Sep.	59. 8	67. 2	60. 5	60. 5
	Oct.	53. 7	63. 3	50. 7	55. 6	Oct.	48. 3	56. 5	48. 7	49. 15
	Nov.	32. 9	39. 6	31. 7	34. 7	Nov.	39. 8	47. 5	40. 1	41. 35
	Dec.	24. 7	31. 4	23. 6	26. 56	Dec.	28. 4	35. 6	31. 6	29. 7
Mean		47. 82	54. 74	43. 1	48. 53	Mean	46. 83	54. 2	47. 47	47. 88
Days on which thermometer was at 80° and upwards, at 90° and upwards, and hottest day.	1786.					1787.				
	Hottest day.	Coldest day.	Greatest change in 24 hours.	Range of each month.		Hottest day.	Coldest day.	Greatest change in 24 hours.	Range of each month.	
	Jan. 22 ^d 48°	17 th 11°	21 st 32°	59°		Jan. 3 ^d 48°	19 th 5°	19 th 29°	53°	
	Feb. 27 50	11 11	11 30	39		Feb. 12 50	10 —3	11 40	53	
	Mar. 26 78	10 25	27 21	53		Mar. 19 62	8 16	24 27	46	
	Apr. 16 63	2 25	11 15	38		Apr. 4 75	2 22	5 28	53	
	May 28 71	4 45	21 17	26		May 6 78	15 42	6 22	36	
	June 4 93	9 55	4 30	38		June 14 91	7 50	27 23	41	
	July 16 91.5	28 55	27 25	36.5		July 8 91	17 55	8 24	36	
	Aug. 5 89	27 52	6 17	37		Aug. 9 89	1 53	9 19	36	
	Sep. 30 80	23 42	30 24	38		Sep. 10 87	15 44	12 17	43	
	Oct. 1 85	31 29	18 22	56		Oct. 3 70	18 32	4 25	38	
	Nov. 7 59	28 4	28 30	55		Nov. 15 65	2 25	15 24	30	
	Dec. 31 45	12 —5	13 30	50		Dec. 5 48	16 12	6 17	36	
Days on which thermometer was at 32° and under, at 0° and under, and the coldest day.	1786.					1787.				
	Thermometer at 80° and upwards, in	Thermom. at 90° and upwards, in	Thermometer at 80° and upwards, in	Thermometer at 90° and upwards, in		Thermometer at 80° and upwards, in	Thermometer at 90° and upwards, in	Thermometer at 80° and upwards, in	Thermometer at 90° and upwards, in	
	June 13 days	June 1 day	June 10 days	June 1		June 13 days	June 1	June 13 days	June 1	
	July 11	July 3	July 13	July 1		July 11	July 1	July 13	July 1	
	August 8	4	August 13	2		August 8	4	August 13	2	
	September 2	—	September 2	—		September 2	—	September 2	—	
	October 1	Hottest day. June 4 th 93°	38	Hottest day. June 4 th 93°		October 1	38	Hottest day. June 4 th 93°	Hottest day. June 4 th 93°	
	35	June 4 th 93°		June 4 th 93°		35	June 4 th 93°		June 4 th 93°	
Days on which thermometer was at 32° and under, at 0° and under, and the coldest day.	1786.					1787.				
	Thermometer at 32° and below, in	Thermom. at 0° and under, in	Thermometer at 32° and below, in	Thermom. at 0° and under, in		Thermometer at 32° and below, in	Thermom. at 0° and under, in	Thermometer at 32° and below, in	Thermom. at 0° and under, in	
	January 27 days	January 3 days	January 25 days	January 1		January 27 days	January 1	January 25 days	January 1	
	February 25	December 1	February 27	February 3		February 25	December 1	February 27	February 3	
	March 9	—	March 17	—		March 9	—	March 17	—	
	April 3	4	April 6	4		April 3	4	April 6	4	
	October 1	—	October 1	—		October 1	—	October 1	—	
	November 18	Coldest day. Jan. 17 th —11°	November 9	Coldest day. Jan. 19 th —5°		November 18	Coldest day. Jan. 19 th —5°	November 9	Coldest day. Jan. 19 th —5°	
	December 25		December 26			December 25		December 26		
	108		111			108		111		

Dr. HOLYOKE's Table of Results.

1788

1789

Mean of each time of observation, and of each month, at observations per day.									
Mean of each time of observation, and of each month, at observations per day.		S. A. M.		N. E. M.		10 P. M.		Mean of Month	
Jan.	19.	2	27.	7	24.	2	19.	5	22.
Feb.	20.	3	28.	3	23.	8	20.	5	23.
Mar.	23.	1	39.	3	34.	4	30.	3	34.
Apr.	43.	3	52.	2	43.	2	41.	9	45.
May	55.	3	62.	7	55.	2	51.	6	56.
June	64.	5	70.	3	63.	1	59.	4	64.
July	72.	1	81.	8	70.	5	66.	6	72.
Aug.	69.	2	78.	4	68.	3	66.	5	70.
Sep.	60.	9	72.	5	62.	1	55.	3	62.
Oct.	46.	4	55.		40.	8	45.	5	49.
Nov.	41.	3	49.	7	45.	7	40.	6	44.
Dec.	24.	3	31.	5	28.		24.	9	27.
Mean	45.	8	54.	12	47.	40	43.	55	47.

The hottest and coldest day; the greatest variation in any 24 hours; and range of each month.									
The hottest and coldest day; the greatest variation in any 24 hours; and range of each month.		Hottest day.		Coldest day.		Greatest change in 24 hours.		Range of each month.	
Jan.	29 th	40°	14 th	—1°	14 th	26°	41°		
Feb.	3	44	5	—2	5	26	46		
Mar.	31	58	2	8	31	21	50		
Apr.	19	67	21	32	2	26	35		
May	21	76	11	41	22	27	35		
June	7	89	15	51	8	28	38		
July	12	93	1	56	12	38	37		
Aug.	29	88	31	54	5	18	34		
Sep.	5	85	20	42	30	29	43		
Oct.	12	68	30	21	13	29	47		
Nov.	5	77	24	21	25	41	56		
Dec.	15	52	24	—4	16	24	56		

Days on which thermometer was at 80° and upwards, at 90° and upwards, and hottest day.		Thermometer at 80° and upwards in		Thermom. at 90° and upwards in		Thermometer at 80° and upwards in		Thermom. at 90° and upwards in			
June	5	days	July	1	day	May	1	days	June	4	days
July	13		August	8		June	12		July	5	
August	8		September	1		July	13		August	1	
September	—		Hottest day.	July 12th, 93°		August	11		September	—	
27			Coldest day.	Feb. 2d, —2°		September	1		Hottest day.	July 24th, 94°	5
38						38					

Days on which thermometer was at 32° and under, at 0° and under, and the coldest day.		Thermometer at 32° and under in		Thermom. at 0° and under in		Thermometer at 32° and under in		Thermom. at 0° and under in			
January	30	days	January	2	days	January	28	days	February	3	
February	26		February	2		February	26				
March	19		December	2		March	16				
April	2					April	1				
October	4					October	4				
November	6					November	9				
December	21					December	21				
Coldest day.			Coldest day.						Coldest day.		
21			Dec. 24th, —4°						Feb. 2d, —2°		
108						105					

Dr. HOLYOKE's Table of Results.

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1790

1791

Mean of each time of observation, and of each month, at 4 observations per day.							Mean of each time of observation, and of each month, at 4 observations per day.										
Mth.	8 A.M.	Noon	☉ set.	10 P.M.	Mean of month.		Mth.	8 A.M.	Noon	☉ set.	10 P.M.	Mean of month.					
Jan.	26. 5	32. 3	29. 4	26. 5	28. 67		Jan.	23. 8	31. 26. 3	23. 3	26. 1	26. 1					
Feb.	24. 3	30. 3	26. 5	22. 3	25. 77		Feb.	20. 2	33. 24. 9	20. 3	24. 6	24. 6					
Mar.	31. 1	36. 6	33. 29. 3	32. 5			Mar.	36. 2	42. 5	37. 6	34. 1	37. 6					
Apr.	41. 7	49. 7	41. 6	38. 1	42. 72		Apr.	46. 7	54. 6	47. 6	42. 5	47. 85					
May	57. 7	61. 8	54. 5	49. 1	55. 77		May	59. 2	67. 62. 2	53. 5	60. 47	60. 47					
June	65. 7	73. 8	64. 3	60. 1	65. 95		June	69. 7	77. 7	67. 7	62. 7	69. 45					
July	69. 8	78. 4	69. 6	64. 6	70. 6		July	72. 1	81. 3	70. 5	66. 7	72. 47					
Aug.	66. 7	73. 2	66. 2	62. 6	67. 17		Aug.	70. 3	78. 2	70. 4	65. 8	71. 17					
Sep.	57. 9	67. 4	61. 5	56. 6	60. 85		Sep.	59. 7	67. 9	61. 1	57. 3	61. 5					
Oct.	46. 8	56. 2	51. 2	45. 7	49. 97		Oct.	43. 4	52. 8	47. 5	42. 5	46. 55					
Nov.	35. 5	42. 3	39. 3	34. 3	37. 77		Nov.	35. 8	44. 5	40. 7	35. 5	39. 12					
Dec.	16. 5	23. 9	20. 3	17. 1	19. 45		Dec.	28. 6	34. 7	31. 2	28. 3	30. 7					
Mean	44. 99	52. 16	46. 42	42. 11	46. 43		Mean	47. 14	55. 43	48. 97	44. 32	48. 965					
The hottest and coldest day; the greatest variation in any 24 hours; and range of each month.							The hottest and coldest day; the greatest variation in any 24 hours; and range of each month.										
	Hottest day.	Coldest day.	Greatest change in 24 hours.	Range of each month.				Hottest day.	Coldest day.	Greatest change in 24 hours.	Range of each month.						
Jan.	3 ^d 51°	21 st 14°	7 28	31°		Jan.	10 th 43°	22 ^d 0°	22 ^d 34°	43°	43°						
Feb.	15 46	10—3	9 25	49		Feb.	14 46	17 1	17 37	45	45						
Mar.	28 50	9 3	4 26	47		Mar.	17 58	1 15	3 19	43	43						
Apr.	4 69	7 24	4 28	35		Apr.	21 70	3 32	20 25	38	38						
May	10 81	7 42	10 31	39		May	29 90	5 37	13 40	53	53						
June	17 94	2 51	17 39	43		June	13 91	20 50	17 28	41	41						
July	6 89	19 57	21 24	42		July	13 96. 5	2 53	6 24	43	43						
Aug.	14 93	30 53	30 23	40		Aug.	29 88	20 56	1 23	32	32						
Sep.	10 83	23 44	10 23	39		Sep.	24 80	28 44	25 27	36	36						
Oct.	30 64	27 28	27 24	36		Oct.	2 80	31 30	3 26	50	50						
Nov.	15 58	26 17	30 14	41		Nov.	8 63	4 17	26 28	46	46						
Dec.	11 39	19—8	19 28	47		Dec.	27 49	24 10	3 23	30	30						
Days on which thermometer was at 80° and upwards, at 90° and upwards, and hottest day.							Days on which thermometer was at 80° and upwards, at 90° and upwards, and hottest day.										
Thermometer at 80° and upwards in							Thermometer at 80° and upwards in										
May 1 days							May 7 days										
June 5							June 15										
July 14							July 16										
August 7							August 15										
September 2							September 1										
29							October 1										
55							Hottest day.										
							July 13th, 96°. 5										
Thermometer at 32° and under in							Thermometer at 32° and under in										
January 29 days							January 27										
February 22							February 26										
March 20							March 14										
April 2							April 1										
October 2							October 5										
November 14							November 15										
December 30							December 23										
119							111										
Thermometer at 32° and under in							Thermometer at 32° and under in										
January 29 days							January 27										
February 22							February 26										
March 20							March 14										
April 2							April 1										
October 2							October 5										
November 14							November 15										
December 30							December 23										
119							111										
Thermometer at 32° and under in							Thermometer at 32° and under in										
January 29 days							January 27										
February 22							February 26										
March 20							March 14										
April 2							April 1										
October 2							October 5										
November 14							November 15										
December 30							December 23										
119							111										
Thermometer at 32° and under in							Thermometer at 32° and under in										
January 29 days							January 27										
February 22							February 26										
March 20							March 14										
April 2							April 1										
October 2							October 5										
November 14							November 15										
December 30							December 23										
119							111										
Thermometer at 32° and under in							Thermometer at 32° and under in										
January 29 days							January 27										
February 22							February 26										
March 20							March 14										
April 2							April 1										
October 2							October 5										
November 14							November 15										
December 30							December 23										
119							111										
Thermometer at 32° and under in							Thermometer at 32° and under in										
January																	

